



**ENGINEERING OPERATIONS COMMITTEE  
MEETING MINUTES  
APRIL 6, 1995, 9:00 A.M.  
EXECUTIVE CONFERENCE ROOM**

Present:	R. A. Welke	C. J. Arnold	J. Kanillopoulos (R. E. Maki)
	G. D. Taylor	L. A. Kinney	P. Lynwood (P. Miller)
	L. R. Brown	D. Vandenberg	J. D. O'Doherty
	C. Roberts	J. Erickson (FHWA)	

Guests: W. C. Turner

**OLD BUSINESS**

**1. Approval of the Minutes of the March 2, 1995, Meeting - R. Welke**

Minutes of the March 2, 1995, meeting were approved as written.

**NEW BUSINESS**

**1. Work Plan No. 142, "Tensar Reinforced Slope US-31, Naomi Road, Berrien County, C.S. 11112, J.N. 36100D," Research Project 95 E-69 (Attachment) - D. Smiley/C. Roberts**

The purpose of Research Project 95 E-69 is to determine the feasibility of using a reinforced earthen slope to construct a roadway embankment within laterally restricted right-of-way.

**ACTION:** EOC approved the prepared Research Project 95 E-69 Work Plan.

**2. Polymer Specification, SHRP Asphalt Binder Specification - R. Welke/D. Coleman**

This issue was deferred at the March meeting of EOC. A subsequent meeting was held to discuss this issue in detail and an agreement was reached to use a Performance Graded Binder Specification.

**ACTION:** EOC approved the Performance Graded Binder Specification as amended on Page 2.

**3. Construction Zone Advisory Committee Memo (Attachment) - R. Maki/P. Miller**

This issue was tabled and will be addressed at a future meeting.

**4. Life-Cycle and User Costs - R. Welke**

R. Welke reiterated (refer to March meeting - New Business Item No. 4) the need and urgency of developing a system for using life-cycle and user costs as an integral component of our project development process. The development of these procedures will provide additional tools to our engineers and assist them in determining the relative impacts of various design alternatives.

**ACTION:** B. Turner and his committee will work on this issue as a high priority in developing procedures for life-cycle and user costs.

(Signed copy on file at M&T)  
Calvin Roberts, Secretary  
Engineering Operations Committee

cc    EOC Members  
      District Engineers

G. H. Grove	G. J. McCarthy	L. K. Heinig	T. Adams
E. D. Winkler	D. L. Coleman	W. C. Turner	D. L. Smiley
L. W. Martin	H. J. Nyquist	R. W. Muller	R. E. Nordlund
L. E. DeFrain	G. L. Mitchell	G. J. Bukoski	C. W. Whiteside
I. B. Patel	C. G. Cantrell	M. Newman	A. G. Ostensen
J. Kelsch	R. D. Till	J. Becsey	